

ABSTRACT

A dual stage, head stack assembly (15) for a disk drive (10) having a storage disk (32) is provided herein. The head stack assembly (15) includes an actuator arm (18), a coarse positioner (22), a transducer assembly (20), a base plate (26) and a fine positioner (24). The coarse positioner (22) moves the actuator arm (18). The transducer assembly (20) includes a load beam (50), a flexure (52) and a data transducer (54). The base plate (26) includes at least one positioner cavity (66) which receives the fine positioner (24). A control system (17) directs current to the coarse positioner (22) to move the actuator arm (18) to position the data transducer (54) at or near a target track (36) on a storage disk (32). The control system (17) also directs current to the fine positioner (24) to precisely position and maintain the data transducer on the target track (36). Because the fine positioner (24) independently moves only the transducer assembly (20), a higher system bandwidth is achieved.

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